

Docket No: MS1-1070US Inventor(s): Jered Aasheim, et al. Title: Dynamic Data Structures for Tracking Data Stored in a Flash Memory Device Replacement Sheet

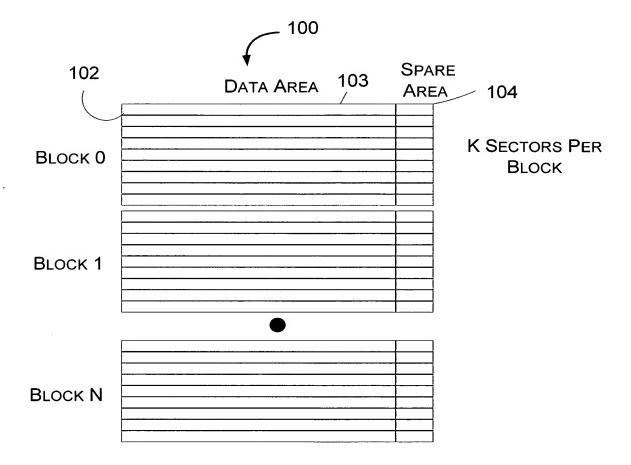


Fig. 1

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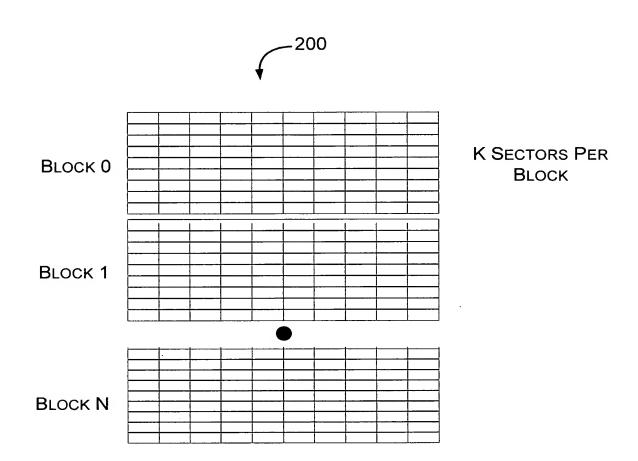


Fig. 2



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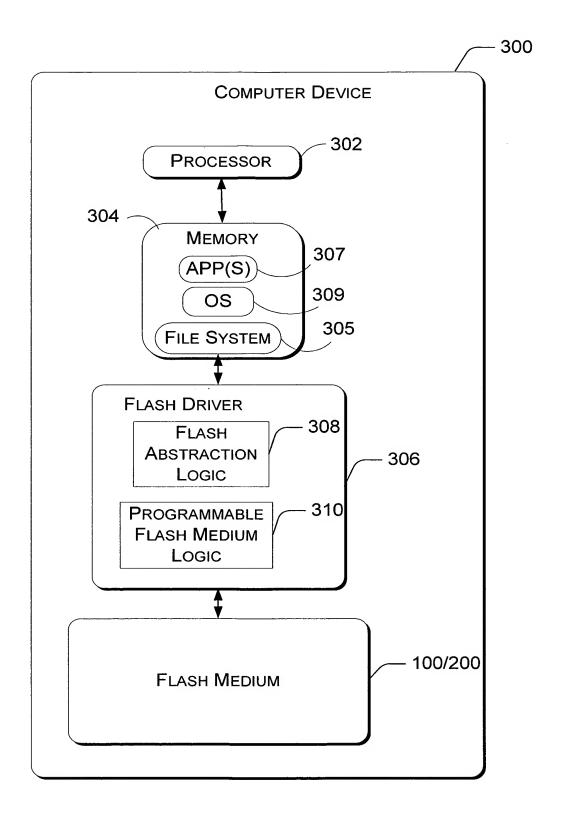


Fig. 3



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308

COMPACTOR

<u>406</u>

	LOGICAL-TO-
SECTOR	PHYSICAL
MANAGER	SECTOR
402	MAPPING
402	404

Fig. 4

PROGRAMMABLE I/O [READ, ERROR CODE ENTRY POINTS WRITE, ERASE] CORRECTION 502 504 506

Fig. 5

600A

PHYSICAL SECTOR 602 0 1 2	LOGICAL SECTOR 604 11 12 36
•	
•	
•	
N	

Fig. 6A

<u>600B</u>

PHYSICAL	LOGICAL	
SECTOR	SECTOR	
0	11 DIRTY	<u> </u>
1	12] `
2	36	
2 3	11	-
•		
•		_
•		-
		_
Ν		

Fig. 6B

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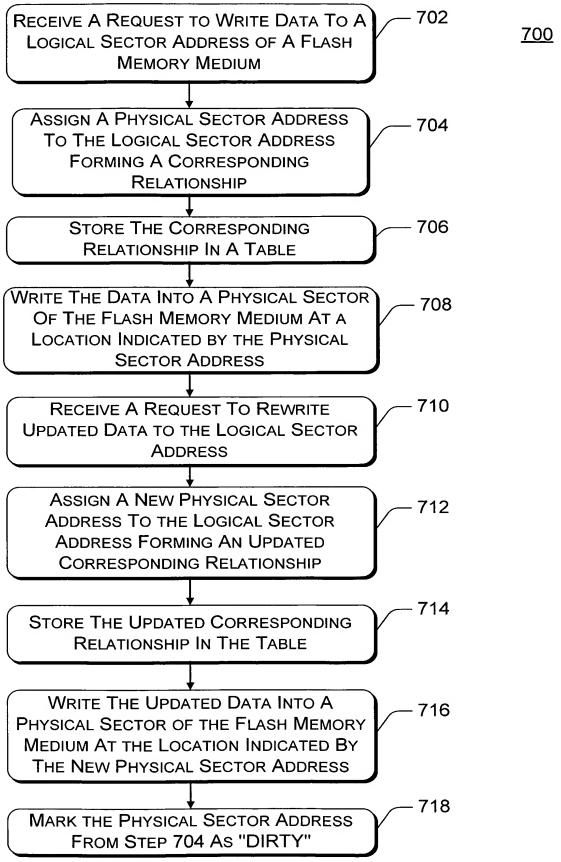


Fig. 7

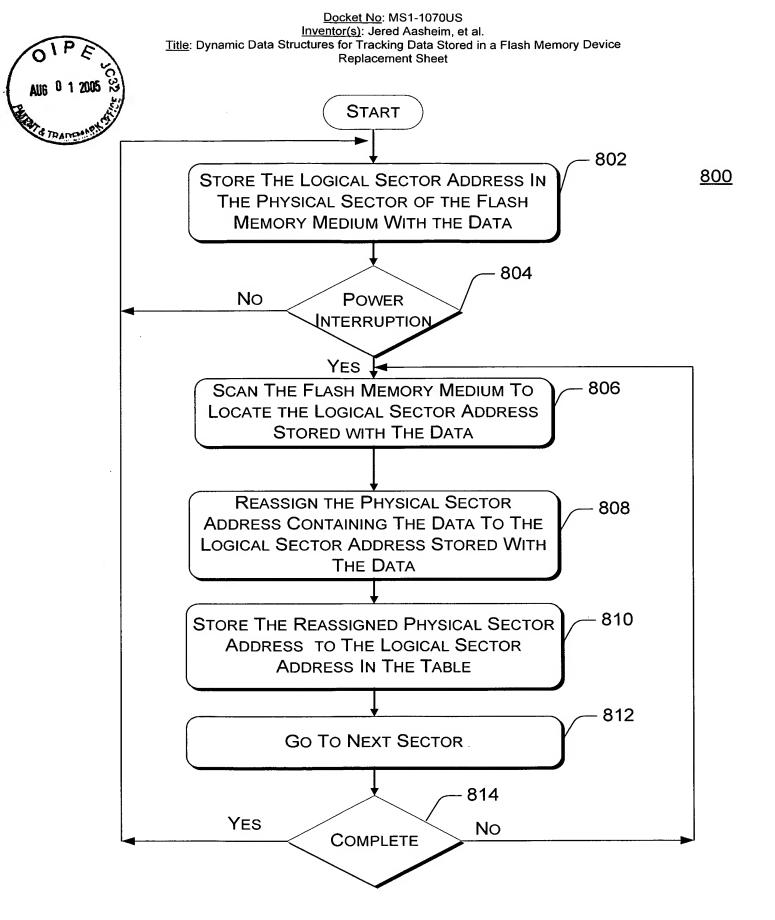


Fig. 8

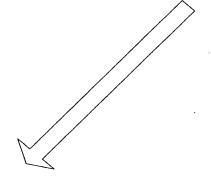
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Replacement sheet

SECTOR



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Fig. 9



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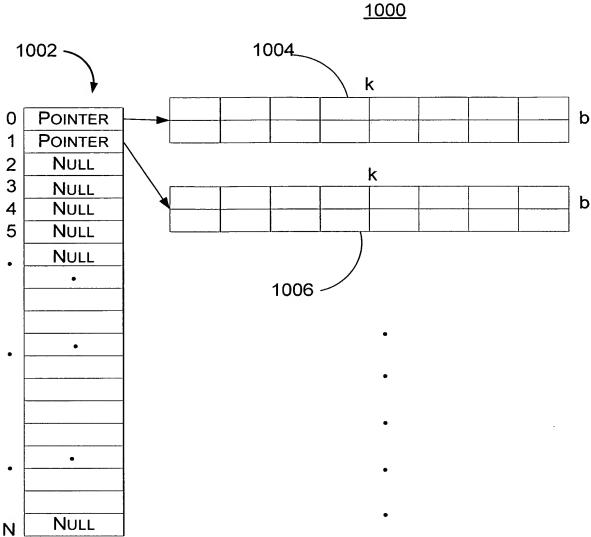
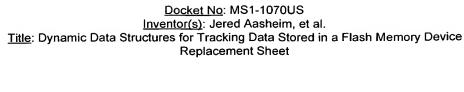


Fig. 10





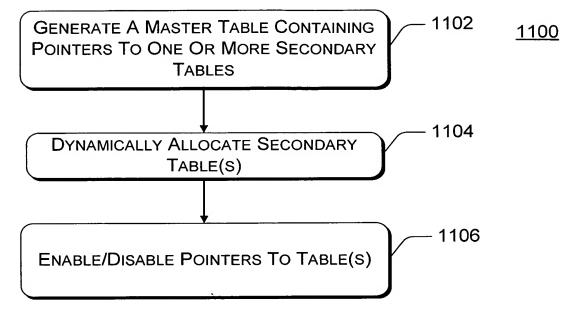


Fig. 11

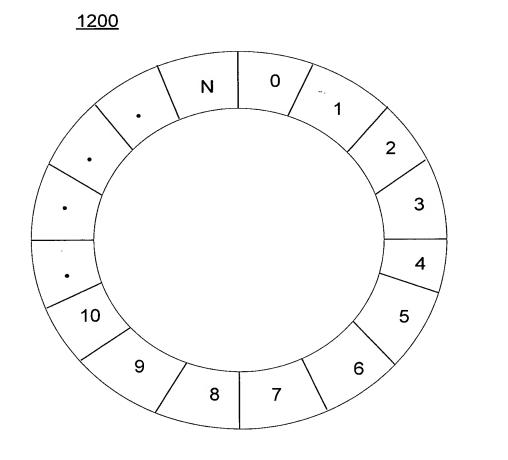


Fig. 12



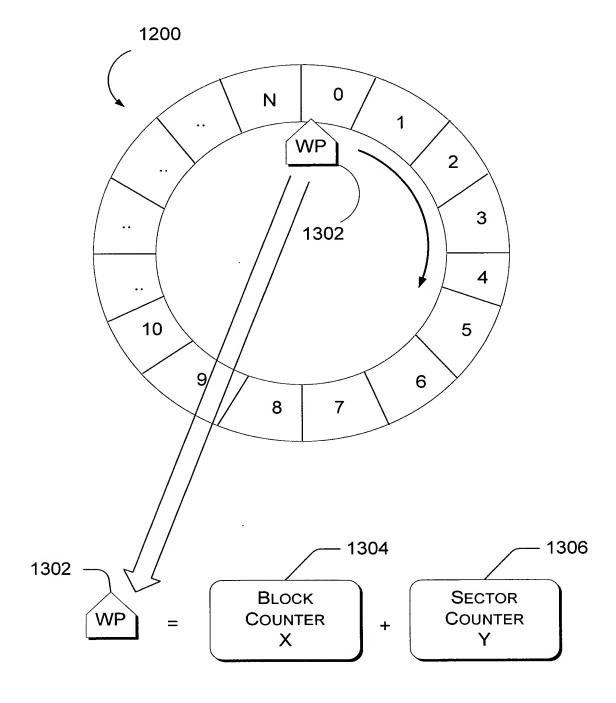
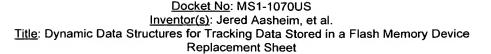


Fig. 13





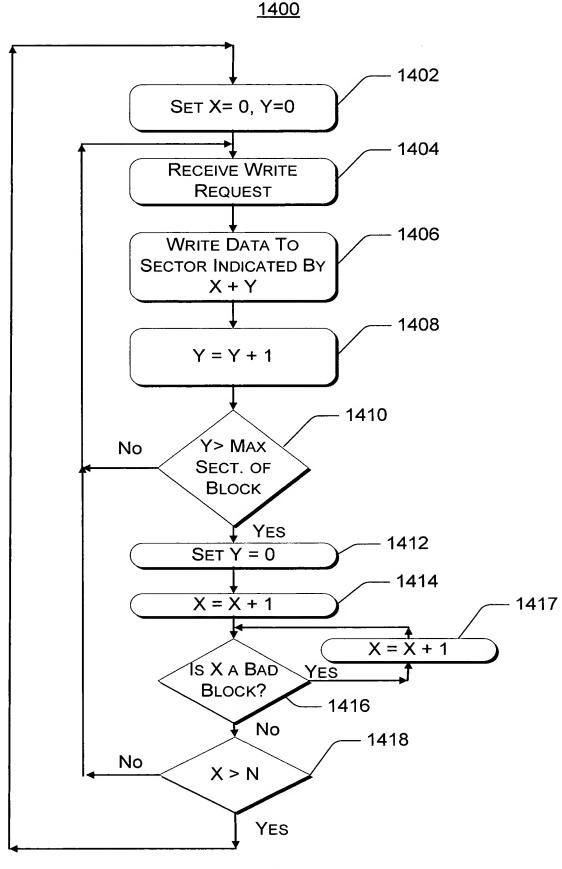


Fig. 14



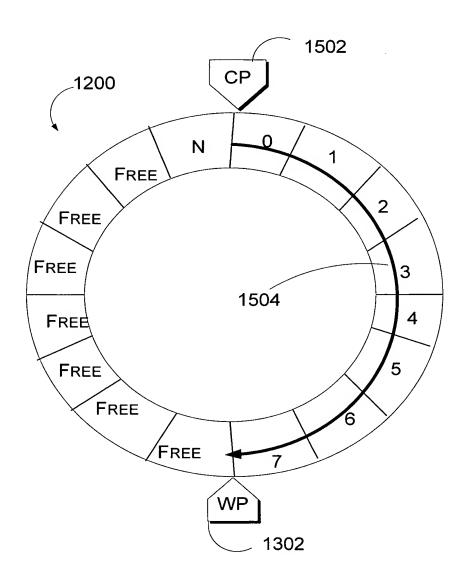


Fig. 15

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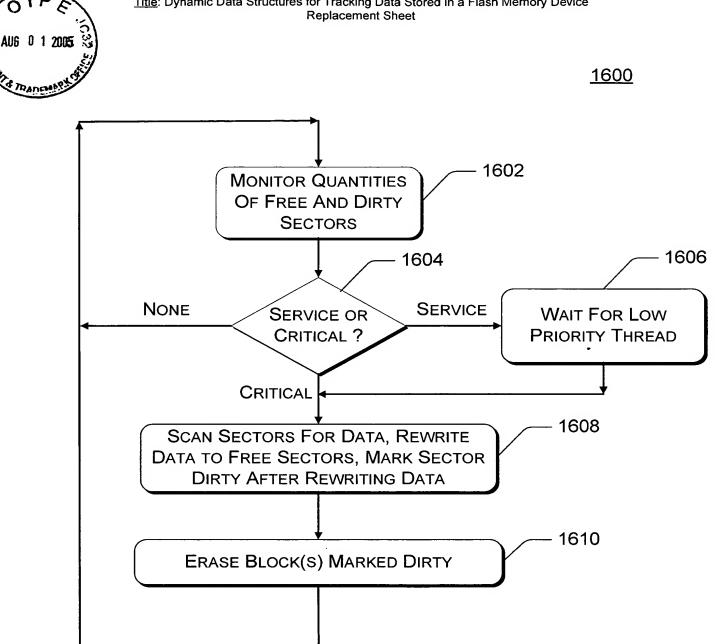


Fig. 16

INCREASE SECTOR COUNT AND MOVE
POINTER IN CONSECUTIVE AND
CONTIGUOUS MANNER

1612



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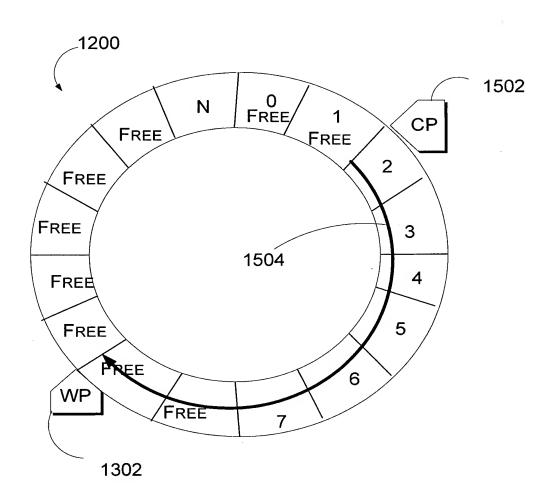


Fig. 17

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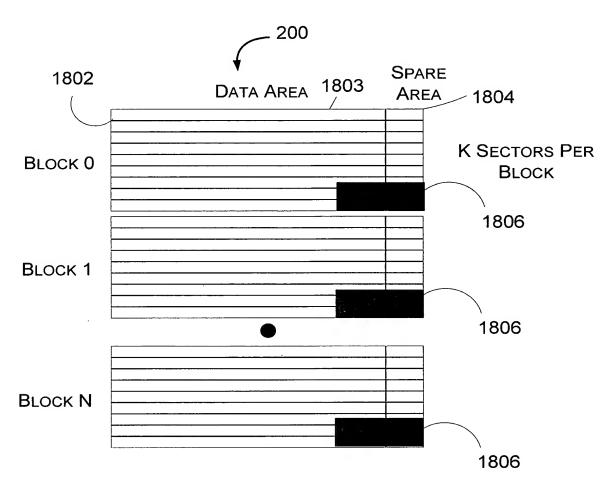


Fig. 18